

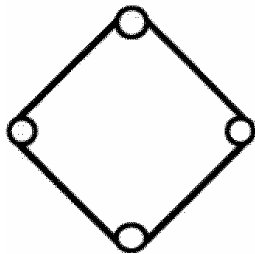
Chapter 10



Tiling & Symmetry

1. How many axes of symmetry (if any) are there in each of the following shapes?

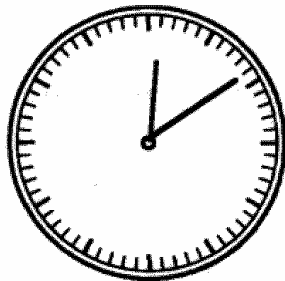
a)



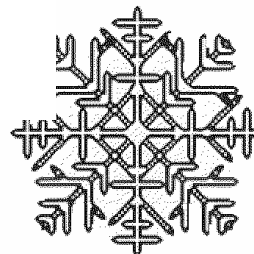
b)



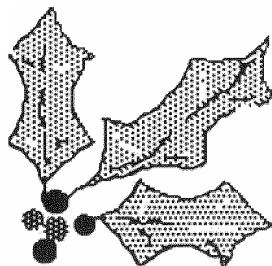
c)



d)



e)

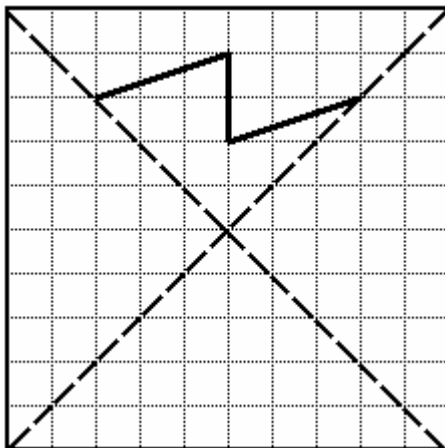
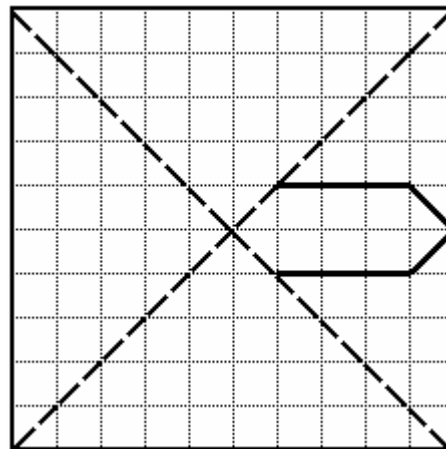
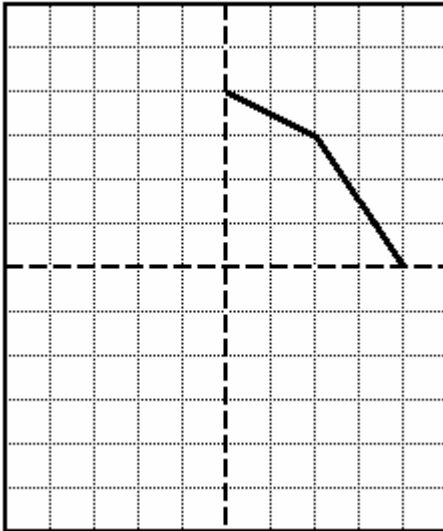


f)



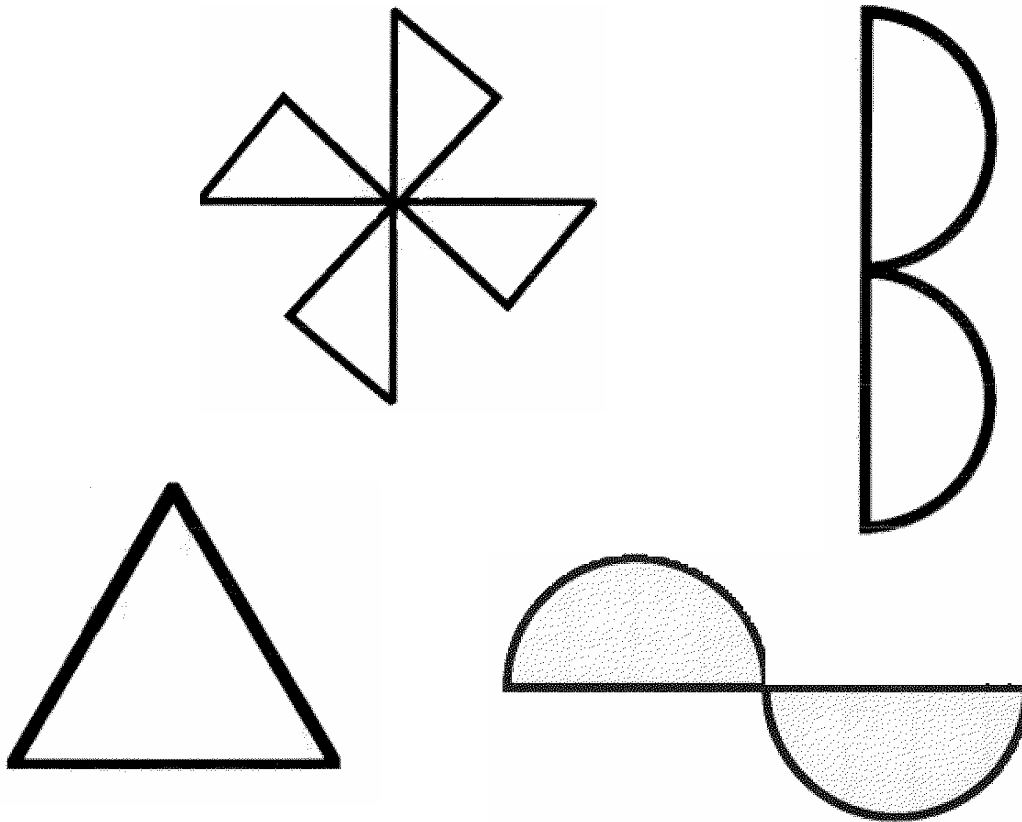
(6)

2. Complete the following drawings so that the two dotted lines are the axes of symmetry.



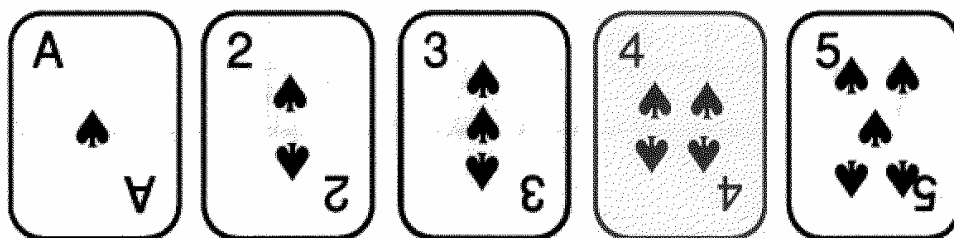
(9)

3. Rotational symmetry means turn symmetry.
Write down the order of symmetry of each shape.



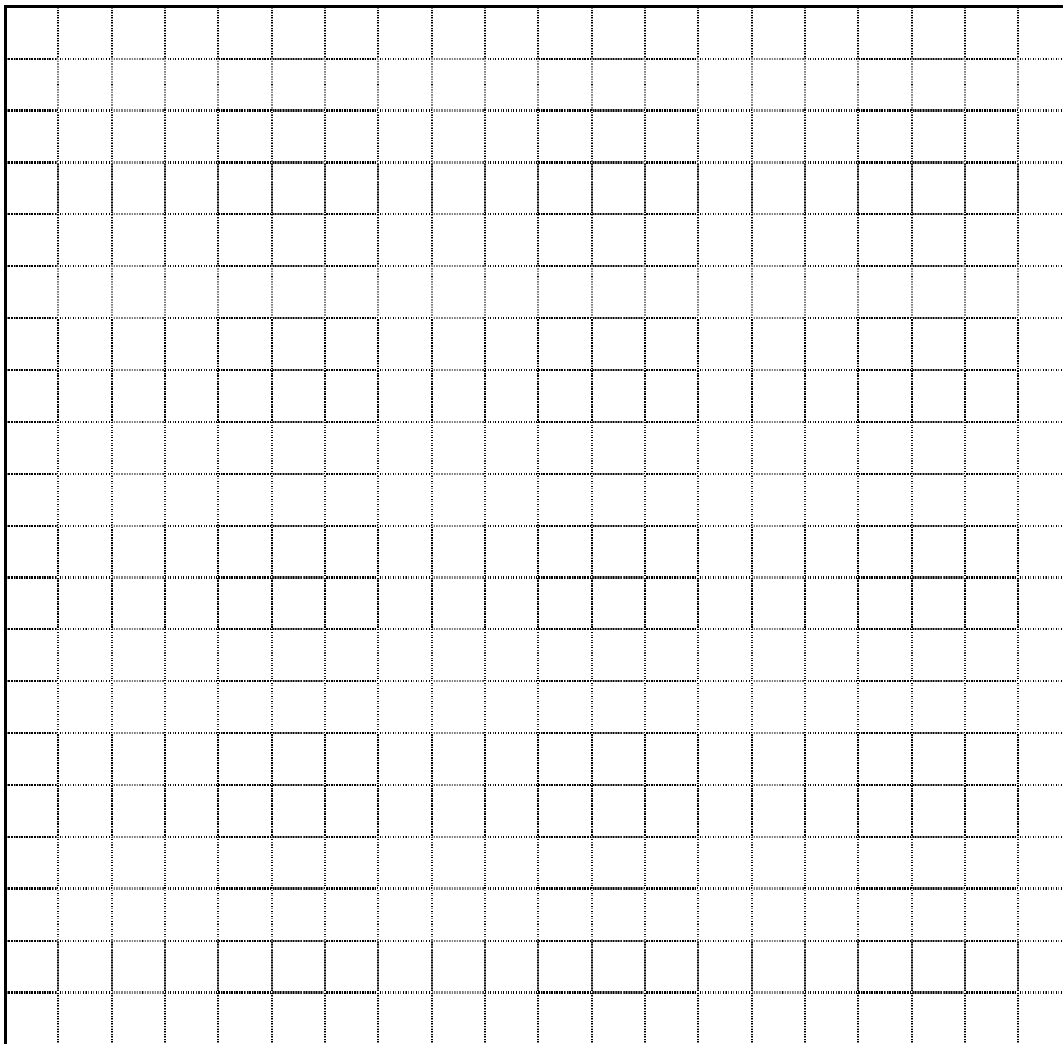
(4)

4. Tick the cards which have half-turn symmetry.



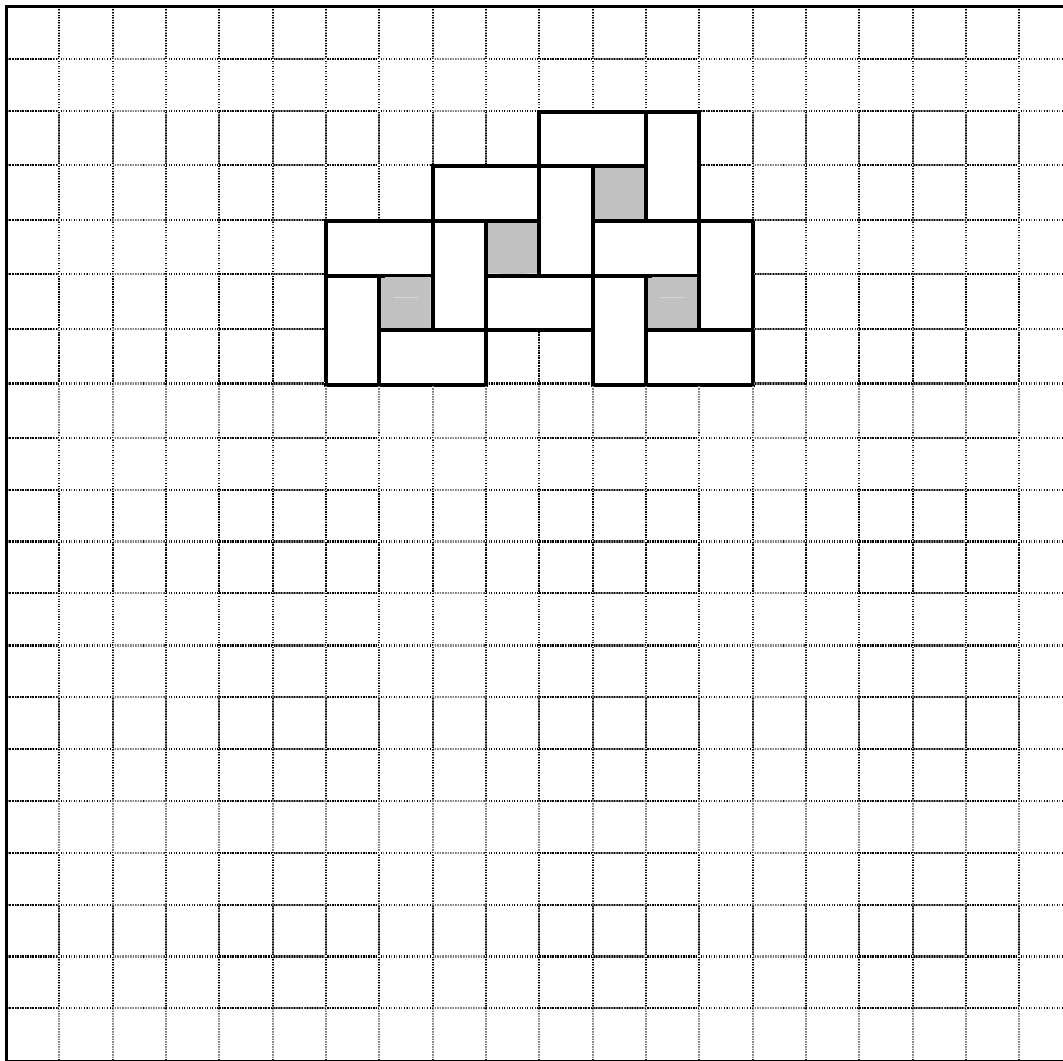
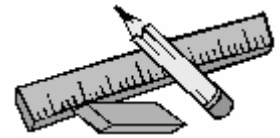
(5)

5. **Using a ruler**, carefully draw a shape which has 4 axes of symmetry and quarter-turn symmetry. (Don't do a square!)



(4)

6. Extend this pattern of rectangular and square tiles until the pattern contains at least twelve square tiles.



(4)

————— END OF HOMEWORK EXERCISE —————

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